

# Recombinant Dopamine Receptor D3 (DRD3) Instruction Manual

## SIPA905Mu01

### Mus musculus (Mouse)

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Membrane
<b>Predicted Molecular Mass</b>	36.9kDa
<b>Accurate Molecular Mass</b>	39kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Asn65 with N-terminal His and GST Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 80%
<b>Isoelectric Point</b>	8.5
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

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MAPLSQISSH INSTCGAENS TGVNRARPHA YYALSYCALI LAIIFGNGLV  
CAAVLRERAL QTTTN
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### USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.  
Do not vortex.

### STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## Image

M T G G E R C T T G G G G T A G A G I P C H I P A T T C A C T G G G G G A S H A T C T G E T G C A T G G G G G G T G C A I G C A C T G G G G T G C A T T G T S A T A T T G G C A T C T T T G G A G G C T G G A I G G A G T E T G T G G G G G G G G T T A G G C A C A C A T  
M A P L S Q I S S H I N S T C G A E N S T G V N R A R P H A Y Y A L S Y C A L I L A I I F G N G L V C A A V L R E R A L Q T T N

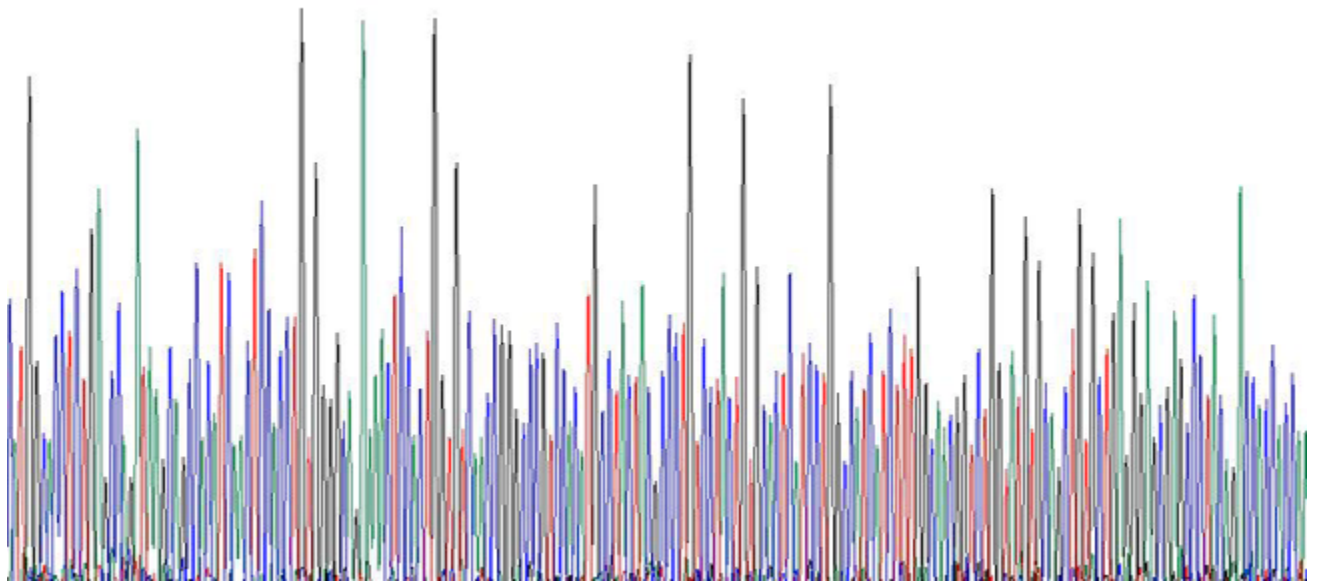


Figure. SDS-PAGE

## **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.